

QUINAZOLINE DERIVATIVE

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Abstract

NEW MATERIAL: The compound of formula I [R1-CH is substituted to the 3- or 4-site of benzene ring; R1 is (lower alkyl-substituted) piperidino, morpholino or piperazino; R2 is H or lower alkyl; one of R3 and R4 is H or lower alkyl and the other is double bond bonded to R5; n is 2-4] and its acid addition salt.

EXAMPLE: 2-{2-[3-(1-Piperidinylmethyl)phenoxy]ethylamino}-4(3H)-quinazoline.

USE: Medicinal drug. Remedy for peptic ulcer. It has the activity to suppress the secretion of gastric acid and protect the gastric mucosa by the excellent histamine H2 receptor antagonistic activity.

PREPARATION: The compound of formula I can be produced e.g. by condensing the phenoxyalkylamine derivative of formula II with the 4-quinazoline derivative of formula III (X is halogen or methylthio) in a solvent or without using a solvent, in the presence or absence of a base.